

### S. Parker Mink | Associate III



#### EDUCATION

- University of Tennessee
  - Bachelor of Science, Civil Engineering, 2011
- Georgia Institute of Technology
  - Master of Science, Civil Engineering, 2012

#### PRACTICE AREAS

- Structural Evaluation and Analysis
- Failure Investigation
- Repair and Rehabilitation Design
- Historic Preservation and Repair
- Facade Assessment
- Roofing and Waterproofing

#### REGISTRATIONS

- Professional Engineer in TX
- Society of Professional Rope Access Technicians - Level I Rope Access Technician

#### PROFESSIONAL AFFILIATIONS

- Structural Engineers Association of Texas (SEAoT)
- International Institute of Building Enclosure Consultants - North Texas chapter

#### CONTACT

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#### EXPERIENCE

Parker Mink assists with a wide variety of projects within the structural engineering, building science, and construction industry. While his primary focus area consists of structural assessments, analysis, and investigation of historic structures, he also actively participates in investigations and design of roofing systems, waterproofing, building enclosure analysis, and historic preservation.

While at WJE, Mr. Mink has gained valuable experience in many aspects of structural design and analysis, various types of failure analysis, use of destructive and nondestructive testing techniques for analysis, water testing to identify leak sources, and assessment of building facades and cladding systems.

Prior to joining WJE, Mr. Mink completed his graduate degree with an emphasis in restoration and rehabilitation of historic structural elements at Georgia Institute of Technology.

#### REPRESENTATIVE PROJECTS

##### Structural Evaluation and Analysis

- Chase Tower - Dallas, TX: Analysis of structural concrete for renovation loading
- R.E. St. John Stadium - Kilgore, TX: Structural condition assessment of existing bleacher systems, press boxes, and light poles
- IH 345 Bridge - Dallas, TX: Structural condition assessment of concrete bridge deck and load testing of retrofit repairs
- Sheraton-North Dallas - TX: Design and analysis of window fall protection
- UTSW Parking Garages - Dallas, TX: Assessment and repair design for multiple parking garages

##### Failure Investigation

- High School Football Stadium - TX: Investigation of distress resulting from subsurface soil movement and design deviations
- South Park Mall - Charlotte, NC: Investigation of precast double-tee roof collapse

##### Repair and Rehabilitation Design

- Georgia Tech Leadership Challenge Course - Atlanta, GA: Failure investigation, analysis, and repair of load bearing elements of elevated obstacle course
- Rutledge Tower - Charleston, SC: Assessment of concrete facade distress and design of facade repairs

##### Historic Preservation and Repair

- Eldon B. Mahon Federal Court House - Fort Worth, TX: Condition survey and preservation recommendations for historic window renovation
- The Adolphus Hotel - Dallas, TX: Structural condition assessment and repair recommendations for historic fire escape and various structural investigations for historic hotel renovation
- Gulf Cone Building - Dallas, TX: Structural condition assessment of historic heavy timber framing
- Old Dallas High School - Dallas, TX: Investigation, assessment, and consultation of historic structural systems for building repurposing
- Ambassador Hotel - Dallas, TX: Investigation, assessment, and consultation of historic structural systems; investigation of historic waterproofing systems and design of retrofit systems
- Turner House - Dallas, TX: Baseline condition assessment and consultation of historic preservation efforts
- Oak Tower - Kansas City, MO: Investigation and stabilization design of historic terracotta facade distress

##### Facade Assessment

- Dillard's at NorthPark Center - Dallas, TX: Investigation and repair design of distressed cast stone facade elements
- UTA College Park - Arlington, TX: Investigation of cast stone mortar distress
- First National Center - Oklahoma City, OK: Assessment of historic limestone facade

##### Roofing and Waterproofing

- NorthPark Center - Dallas, TX: Design, contract administration, and construction observation services of roof replacement